INDEX TO

FIRE ENGINEERING

The Journal of the Fire Protection Profession Since 1877

Volume 96

January to December 1943

Inclusive

TH5111
F93
v.56

ACCIDENT prev. catalog published by Boyer Campbell Co. (mfrs. announcements) 144
Accidents, Veteran driver tells how to avoid 70
Acetylene cylinder "loses control" 24
Acetylene cylinders explode and destroy loading platform of Air Reduction Corp. plant (ill.) 303
Adapter problem, A method of overcoming (corr.) 476
Additional line, Value of (Q & A) 140
Advantages and disadvantages of steel helmets (round table) 255, 316
Aerial ladder collapses at f. 395
Aerial warning bombs described in N. Y. order, Use of 22
Ahrens, John, dead 388
Aircraft plant against f., Protecting an 182
Airfield crash truck given spectacular tryout 462
Airplane hangar destroyed by f. 658
Airplane plants need assistance of f. service, Small 131
Airplane plants, Prot. of 600
Air raid wardens build f. engine 311
Akron Brass contest, War bonds given to winners of (mfrs. announcements) 652
All-out exting. demonstrated (mfrs. announcements) 277
Aluminum dross, Heating of (Q & A) 257
A. D. T. Co., Rayens elected V. P. of 334
Amer. La France
Announce new foamite f. fight. r.r. car (mfrs. announcements) 320
Announce Protexall gas mask (mfrs. announcements) 519
Booklet on use and care of f. exting. issued by (mfrs. announcements) 259
Issue f. exting. charts (mfrs. announcements) 259
Make tamperproof f. exting. case (mfrs. announcements) 519
Statement by president of (mfrs. announcements) 160
Amer. Molded Products manufacture plastic nozzles (mfrs. announcements) 378
Amer. Resuscitation Equip. Co. develops oxygen tank filler (mfrs. announcements) 259
Amer. Rubber Mfg. Co., Brewer with (mfrs. announcements) 259
Amesbury, Mass., Central f. station of (ill.) 319
Amherst College f. brigade set up under c. d. plan 308
Ammonia mixer used in N. Y. C. 444
Ammunition train shells town 371
Amusement park gutted by f. 467
Anatomy bldg. at U. of Kans., destroyed by flames 254
Anderson (Emergency unit) 78
Angell in sevice, George W. 591
Ansonia, Conn.
Report of F. D. of 211
Paper box factory destroyed by f. in 258
Apt. House F.
In San Francisco, Cal. 638
In Yonkers, N. Y. 97
Appar., Improvements in, bolster New Haven dept. 470
Appar., Lack of, aids f. (corr.) 373
April f. loss 333
Armington in Service, Harry T. (mfrs. announcements) 534
Army f. d. at Morris Field, Charlotte, N. C. (ill.) 459
Army jeep crashes into chief's car 49
Army jeep used as f. fighter 772
Army opens vast checkup of f. 16
Asbury Park, N. J., New hose wagon for (ill.) 139
Ashland, Ohio, Tank car blast destroys depot at 670
Ashley (Helmets for aux. f'men) 373
Atlantic City, N. J.
Army opens vast checkup of f. traps in 16
Aux. f'men trained 272
Atlas Company changes name (mfrs. announcements) 161
Auburn, Me., Rescue truck for Lewiston and 512
Augusta, Me., Rooming house f. kills seven at 373
August f. loss 671
Authority to return to f. chief after war 707
Automatic sounding of f. alarms by dial telephone system (corr.) 477
Aux. corps div. estab. in New York City, Emer. 198
Aux. f. appar. for Elmira, N. Y. (corr.) 373
Aux. f. d.
Formed at Harvard Univ. 212
Of Berkeley, Cal., aid f. prot. 493
Aux. firemen
Helmets for (corr.) 373
Hold parade and competition in San Francisco 370
Of Atlantic City, N. J., trained 272
Of Cleveland, Ohio, stage demonstration 468
Of Easthampton, Mass. 311
Of Keansburg, N. J. (ill.) 188
Of Norfolk, Va., have active organization 705
Of Washington, D. C., set record in demonstration 704
Practical training for 17, 68, 128, 184, 247, 306, 365, 452, 569, 631, 702, 761
Sees permanent benefits from 79
Aux. f. pumps, Instructions for mounting, issued 94

BAKER, British f. officer visits U. S. 96
Baldwin, Kans., College gym burns in 269
Ballzet, Supt. of F. Alarm at Meadville, Pa., dies 215
Balloon blast kills one and fires ten homes 77
Baltimore, Md.
Deputy chief Scheve of, dies 729
Chief Warr of Salvage Corps dead 159
Bass, Chief, injured in collision 49
Bath Iron Works, Hart Chief of 335
Bay City, Mich.
F'man dies in f. in 335
Twelve buses burn in 529
Beadle, Asst. Chief, in service 729
Bee stings man—causes f. 592
Belair Shipyard, Capt. Lee heads un. f. d. 516
Bell Club holds annual banquet (ill.) 137
Bellefontaine, Ohio, N. Y. Central roundhouse destroyed by f. at 668
Belle Isle, Mich., Boathouse at, burns 630
Bell siren transferred to Navy 37
Bellown, Conn., f. d. celebrates fifteenth anniversary 371
Bennett (The f. service can train its own members) 43
Berkeley, Cal.
Aux. f'men aid f. prot. of 493
Double f. in 478
F. in Univ. theatre in 387
Warehouse destroyed by f. in 372
Bibliography on sabotage published 191
Black Hawk Quad Co. f. fighters meet 389
Blackington, A. H.
N. E. f. chiefs hold successful convention 362
Ten indictments returned in Cocoanut Grove holocaust 20
Trial proves criminal negligence at Cocoanut Grove f. 242
Blackouts, Responding to f. alarms during (round table) 376, 500
Blast injures eight 204
Boathouse burns at Belle Isle, Mich. 630
Boat yard at Portland, Conn., burns 512
Bomber hits Chicago, Ill., gas tank 328
Bombs, New invention fights explosive 475
Booklet published by Hauck Mfg. Co. (mfrs. announcements) 160
Boondoggling (corr.) 43
Boonville, Mo., Mill damaged by f. at 511
Boston Holocaust, The (edit.) 13
Boston, Mass.
F. hospitalizes sixty-five in 23
F. prev. activities of f. d. (corr.) 730
Bowling alley f. in Chicago, Ill. (ill.) 138
Bowser, Chief Carter, heads Indiana chiefs 638
Boyer Campbell Co., Accident prev. catalog published by (mfrs. announcements) 144
Boys to bolster vol. rolls 278
Boys used in Kansas City, Mo., f. d. 759
Bracken, treas. of Conn. F'men's Assn. dead 314
Bradbrook of Braxmar Co. dead 88
Branched lines (Q & A) 506
Branched lines, Discharge from (Q & A.) 506
Braxmar Co., The C. G.
Bradbrook of, dead 88
Velt heads 136
Bremer (New use for clapper valve siamese coupling) 644
Brennan, Chief at San Francisco, Calif.
Retires 192
May be consultant to OCD 159
Brewer with American Rubber Mfg. Co. (mfrs. announcements) 259
Bridgeport, Conn.
Retired f'men members of defense plant f. d. 79
Overflow of fuel oil causes f. at 198
Brighton, N. Y., f. d., Activities of 535
British f'men ordered to save St. Paul's 137
British f. officers visit U. S. 96
British f. picture released, New 763
British f. service 126
Broome Co., N. Y., f. chiefs organize 732
Brown, Chief at Newburgh, N. Y., in armed forces 668
Brush f. rages for eighteen hrs. 593
Buffalo F. Appliance Corp. moves offices (mfrs. announcements) 774
Bugbee (N. F. P. A. denies favoring federal control of f. service) 476
Bullard Machine Co. f. d. made up of retired Bridgeport f'men 79
Buses burn in Bay City, Mich. 529
Bush, Loren
Heads Calif. protective services 639
With OCD 211
Business block f.
At Stamford, Conn. 191
In Nesburgh, N. Y. 138
In Potsdam, N. Y. 130
Business district, F. threatens 26
Bus line hit by f. in Pontiac, Mich. 498
Byrne (Cleveland stages show of auxiliaries in action) 468

CABARET ordinance drafted by National Board 45
Calculating max. flow in line (Q & A) 640
Calculations for small lines (Q & A) 767
California
Brush fire rages for eighteen hrs. in 593
Bush heads protective sefvices of 639
F. board named 719
Forest and brush f's sweep so 754
Jay Stevens again f. marshal of 77
Prisoners maintain forestry camps 369
Prison inmates to be trained as f. fighters 27
Soldiers help fight forest f. in 667
State f'men to meet 454
State guard barracks burn 136
Yockers state f. marshal of 665
Callahan (Relaying water by using emer. catch-all basin) 475
Camp Shanks, N. Y., Dougal chief at 100
Canadian f. fighters aid in protecting Gr. Britain 707
Canadian f. marshals to meet 219
Canfield (Facts on the Harold Lloyd f.) 728
Canning plant gutted by f. 731
Carbon dioxide f. exting. equip., Booklet issued on (mfrs. announcements) 652
Carbon tetrachloride
Extinguishing f's with 627
Toxic gases produced by, on burning magnesium bombs 571
Cardox Corporation
Holds demonstration at Monee (mfrs. announcements) 378
Rauff of, dies (mfrs. announcements) 534
Van Gorder district eng. of (mfrs. announcements) 144
Carey chief at naval supply depot 190
Carlisle Barracks, Pa., f. fighters awarded diplomas 79
Carpenter Mfg. Co. issues emergency lighting bulletin (mfrs. announcements) 774
Carter "Chief" trailer pump (mfrs. announcements) 259
C-D fog extinguisher developed by General Detroit (mfrs. announcements) 144
Cereal plant levelled by f. at Oakland, Cal. 190
Charlotte, N. C.
Capt. Munday of, in Ordnance Dept. 19
Has modern f. school 574
Charnock (Sirens on f. appar.) 278
Chelsea, Mass., f., Thirty-fifth anniversary of 262
Chemical cartridge respirator developed by Cover (mfrs. announcements) 102
Chester Co., Pa., f. school held 785
Chicago Eye Shield Co. issue catalog (mfrs. announcements) 259
Chicago, Ill.
Bowling alley f. in (ill.) 138
Gas tank hit by Army bomber 328
Nine f'men killed when floors collapse at f. 445
Children die in f. in Milford, Conn. 73
Christmas decorations, Regulations regarding, in hotels 755
Christmas greeting from Chief Flora (ill.) 25
Cigarette causes theatre f. 387
Circul-Air Corp. issues pamphlet (mfrs. announcements) 332
Cisterns protect rural villages of Kenosha Co., Wis. 263
Clapper valve siamese coupling, New use for (corr.) 644
Cleary, Chief at Groton, Mass., honored 787
Cleveland, Ohio
Chief Granger of, fifty yrs. a f. fighter 215
Stages show of aux. in action 468
Clinton, Ia., Asst. Chief Ruddy of, takes defense post 83
Coal
Consumed in f. in Denver, Colo. 727
Preventing f's in soft 567
Clinton, Ia., Asst. Chief Ruddy of, takes defense post 83
Coast Guard goes to a f., The 64
Cocoanut Grove f.
Trial proves criminal negligence at 242
Ten indictments returned in 20
Cole of Fabric F. Hose Co. dead 638
College gym burns in Baldwin, Kans. 269
Colton, N. Y., High school swept by f. in 478
Columbia, Cal.
Old f. engine still in use in 573
The oldest f. engine in country still in service in (ill.) 628
Combustion (Q & A) 257
Complex hose layouts (Q & A) 197
Complex layout (Q & A.) 374
Complex layout, Correct solution to (Q & A) 708
Concord, N. H., Chief Happny of, dies 778
Connecticut State F. Marshal extended, Powers of 328
Conservation of extinguishers 27
Contra Costa Co., Cal., f. set-up 657
Convention dates 277, 334, 385, 532, 593
Cooke (Canadian f. fighters aid in protecting Gr. Britain) 707
Cornick, Carrington R.
A method of overcoming adapter problem 476
Dummy window for training f'men 728
C-O-Two F. Equipment Co.
Develops new valve (mfrs. announcements) 378
Issues booklet on carbon dioxide f. exting. equip. (mfrs. announcements) 652
White joins (mfrs. announcements) 652
Council Bluffs, Ia., Explosion of gas tank car kills three and injures eight in 633
Cover develops new chemical cartridge respirator (mfrs announcements) 102
Cover picture 158
Crash truck tested on improvised plane f. 312
Craswell rounds out thirty-one years as Chief of Valley City, N. D. 474
Cuneen (Record breaking run) 644
Cunningham (Hawaiian f. d. a cosmopolitan group) 467
Curren (F. d. training program of N. Y. State) 643

DALY, JERRY
How the Normandie was protected against f. during salvaging 698
Munitions ship f. endangers N. Y. Harbor 302
Darktown F. Brigade—All on their mettle (ill.) 21
Dayton, Ohio, Drug warehouse in, burns 630
Deasy made dep. chief in N. Y. C. 523
December f. loss 103
Def. industry, F. prot. of (corr.) 477
Defense plant wrecked by suspicious f. 451
Deferment of ship, Landis urges f'men 361
Deferred for the duration (edit.) 63
Delayed alarm blamed for big San Francisco pier f. 465
Delayed alarm hampers San Francisco, Cal., f'men 193
Denver Colo.
Auxiliaries hold social evening (ill.) 701
Eighty tons of coal consumed by f. in 727
F'men die in f. in railroad tunnel in 644
Dept. and other reports received 157, 599
Dept. store blaze injures three f'men 386
Dept. store f. in Boston, Mass. 23
Detroit, Mich., Chief Rumsey of, to retire 384
Discharge
At different pressures (Q & A) 258
From branched lines (Q & A) 506
How doubling of, affects pump pressure (Q & A) 708
Solving for nozzle pressure and (Q & A) 82
Dominion chiefs to meet 524
Dominion chiefs meet 639
Dominion f. marshals to meet 219
Dorchester, Mass., Acetylene cylinders explode (ill.) 303
Dorer chief at Hillside, N. J. 778
Double jacket hose restricted (edit.) 125
Doubling of discharge affects pump pressure, How (Q & A) 708
Dougal, Chief at Camp Shanks, N. Y. 100
Dowling, Chief at Jacksonville, Fla., dies 336
Dow magnesium plant damaged by f. 446
Draft, Position of police and f. d.'s in relation to 772
Drill evolution (Q & A) 577
Drug warehouse burns in Dayton, Ohio 630
Dry chem. f. exting. agent, Improved (mfrs. announcements) 663
DuGas, Guise joins (mfrs. announcements) 101
Dummy window for training f'men (corr.) 728
DuPont Co. develops flameproofing solution (mfrs. announcements) 101
Duren succeeds Haskins at Greenwood, Miss. 666
Durham, N. C., f. officials honored 508

EAST Bethlehem Township, New truck for (ill.) 26
Eastern Carolina f. school to be held 572
Eastern Chiefs meet 385
Eastern Chiefs to meet 273
Easthampton, Mass., Aux. f'men of 311
Easton, Pa., Blast and f. rave gas works in 759
East Toledo, Ohio, Refinery destroyed by f. in 669
Edinburgh Scotland, New system of boating for f. fight. used in 265
El Centro, Cal., No f. in (correc.) 90
Elec. map presented to Washington, D. C., F. D. 313
Elizabeth, N. J., Chief Kenah of, retires 205
Elizabethtown, Ky., Disastrous f. hits 262
Elkhart Brass Mfg. Co.
Develops solid fog cone (mfrs. announcements) 332
Mrs. Lavender of, dies 216
Elkridge, Md., solves its equip. problem 212
Elmira, N. Y., Aux. f. appar. for (corr.) 373
Ely (Automatic sounding of f. alarms by dial telephone system) 477
Embers cause f. 375
Emer. appointments to police & f. depts. 206
Emer. aux corps div. formed in N. Y. C. 198
Emer. catch-all basin, Relaying water by using 475
Emer. lighting bulletin (mfrs. announcements) 774
Emer. unit (corr.) 78
Employment when men are off duty, Permitting private (round table) 768

669295

Eureka F. Hose Div., Story now with (mfrs. announcements) ... 774
Exhaust whistle for appar. developed by Fed. Elec. Co. (mfrs. announcements) ... 161
Explosion and f. raze Easton, Pa., gas works ... 759
Explosion kills twenty-four at Norfolk, Va., air base 671
Extinguishers
Conservation of ... 27
Test pressure of (Q & A) ... 577
Extinguishing f's with carbon tetrachloride ... 627

FABRIC F. Hose Co., Cole of, dead ... 638
Fabrics rendered f'proof ... 727
Factor, Purpose of (Q & A) ... 640
Factory f.
In Elizabethtown, Ky. ... 262
In New York City ... 192
Factory Mutuals publish list of approved f. equip. ... 474
Fairfield Center, Conn., f. co. rounds out fifty yrs. 75
Fairfield Chiefs elect officers ... 516
Falmouth, Mass.
Airport hangar destroyed by f. in ... 658
Humidity recorder aids, f. d. ... 36
False alarm of mysterious origin, A ... 534
False alarms ... 32, 86, 146, 202, 260, 322, 378, 520, 584, 654, 714,
Farm index system (corr.) ... 338
February f. loss ... 219
Federal Elec. Co. develops exhaust whistle (mfrs. announcements) ... 161
Federal f'fighters
Ask for increase ... 781
Discuss salary bill ... 391
Federalized f. service, N. F. P. A. advocating (edit.) ... 301
Federal Uniformed F. Fighters Assn. formed ... 204
Feed line, Use of long (Q & A) ... 140
Feed mill destroyed in Md. ... 671
Filmgraph, Sound device for recording alarms developed by (mfrs. announcements) ... 519
Fink, Mack Truck president, dead (mfrs. announcements) ... 102
F. alarms during blackouts, Responding to (round table) ... 376, 500
F. appar. crash in Waterbury, Conn. ... 372
F. appar.
For Boeing Aircraft plant (ill.) ... 26
For East Bethlehem Township F. D. (ill.) ... 26
For Sac City, Ia. ... 26
Limited by W. P. B. order ... 250
Recently delivered to Nogales, Mex. (ill.) (mfrs. announcements) ... 320
War necessity certificates required for ... 45
F. boat battles flames at Seattle, Wash. (ill.) ... 369
F. boat powered by outboard motor ... 760
F. chief, Authority to return to, after war ... 707
F. chief cleared of charge of incompetent handling of f. ... 636
F. chiefs of Second Service Command meet ... 721
F. chiefs to meet this year ... 78
F. chiefs visit Dean Landis (ill.) ... 372
F. d. drivers sign conservation pledge ... 511
F. d. instructors hold successful conf. ... 73
F. d. pumpers, New use for ... 718
F. d's, Position of police and, in relation to draft 772
F. d. surgeons to postpone meeting ... 574
F. ENGINEERING, Old copies of, wanted ... 593
F. Engine
For Marietta, Ohio (ill.) ... 707
For Miami Beach, Fla. ... 469
Still in use in Columbia, Cal., Old ... 573
The oldest in country, still in service in Columbia, Cal. (ill.) ... 628
F. equipment
Curtailed by WPB limitation order ... 75
For prot. of resources ... 598
List of approved, published by Factory Mutuals ... 474
F. extinguishers, Booklet on care of, issued by American LaFrance (mfrs. announcements) ... 259
F. fighters, Rubber and duck coats for (round table) ... 647, 710
F. fighting railway cars placed in service ... 636
F. fighting, Science of, reviewed ... 788
F. guards (edit.) ... 441
F. hose, Single jacket (edit.) ... 441
F. hose, Single jacket, proving unsatisfactory ... 455, 498
F. losses
Higher ... 471
Mount as in 1918 N.B.F.U. president states ... 634
Pass $300,000,000 mark, Nation's ... 785
"F'man and His Pressure Gauges" reviewed ... 595
F'man dies in Mich. f. ... 334
Firemanship, Manual of, reviewed ... 595
F'man shortage held peril to N. Y. C. ... 469
"F'men and the Law" reviewed ... 595
F'men in defense, Role of, important ... 669
F'men killed when floors collapse at Chicago f., Nine ... 445
F'men ordered to save St. Paul's ... 137
F'men, Review of 1942 higher court cases involving municipal ... 700
F'men's pensions, New law of ... 187
F'men's training school to be held ... 666
F. prev.
Activities of Boston, Mass. (corr.) ... 730
A war measure ... 535
Exhibit of Springfield, Ohio, F. D. (ill.) ... 256
Movie short ... 601
Week, President designates ... 587
Winners announced ... 94
F'proofed lumber developed by Protexol Corp. (mfrs. announcements) ... 144
F'proof. Fabrics rendered ... 727
F. prot. at Santa Anita assembly center ... 25
F. prot. engr. scholarships given ... 466
F. prot. fund, Distribution of, in N. Mex. ... 395
F. prot. of defense industry (corr.) ... 477
F. pumps and hydraulics reviewed ... 216
F. resistant lumber next (edit.) ... 753
F. run, Longest, made by Lt. Gaughan ... 396
F. service can train its own members (corr.) ... 43
F. station, Before and after views of Sidney, N. Y. (ill.) ... 771
F. station burns ... 395
F. station for Richmond, Va. (ill.) ... 757
F. triangle simplifies instruc. ... 471
F. truck
Crash results in lifting of siren ban ... 594
Drivers request raise in pay ... 193
For Harrison, N. J. (ill.) ... 193
For Mexico City, Mex., New ... 464
Overturns in San Francisco, Cal. ... 512
F. trucks sought by San Francisco, Cal. ... 139
F. Waste Contest, Winners in ... 273
First aid for f'men ... 14
Flameproof f. blanket developed by C. Walker Jones Co. (mfrs. announcements) ... 160
Flameproofing solution developed by DuPont Co. (mfrs. announcements) ... 101
Flora, Christmas greeting from Chief (ill.) ... 25
Florida state f. college hosts successful session ... 756
Flow in line, Calculating max. (Q & A) ... 640
Flying f. engine, A (corr.) ... 373
Foamite f. fight. r. r. car announced by American LaFrance (mfrs. announcements) ... 320
Fog equip. of Rockwood Sprinkler Co. commended (mfrs. announcements) ... 102
Fog nozzle developed by Spraying Systems Co. (mfrs. announcements) ... 42
Forest and brush f's sweep so. California ... 754
Forest f. fighters service
Organized ... 598
Volunteers needed for ... 662
Forest f. fighting, Volunteers for ... 46
Forest f. in San Antonio Valley, Cal. ... 667
Formula for impact (Q & A) ... 257
Formulas, Variation in results from using different (Q & A) ... 766
Fort Myers, Fla., Chief Bass of, injured in crash ... 49
Fort Tilden, N. Y., f. d. breaks record ... 313
Frae of Nyack salvage patrol dies ... 778
Frank appointed to N. Y. State post ... 669
Frank appointed to WPB ... 398
Frank not Chief at Poughkeepsie (correc.) ... 699
Fraternity boys store gasoline (ill.) ... 143
Freak f. ... 141
Fredericksburg, Va., F. boat powered by outboard motor in ... 760
Freedom, Pa., Oil refinery in, burns (ill.) ... 457
Freight terminal in Kansas City, Mo., burns ... 252
Friction loss (Q & A) ... 28
And flow (Q & A) ... 577
In small hose (Q & A) ... 314
Rule (Q & A) ... 314
Friendship F. Assn.
Elects officers ... 384
Presents elec. map to Washington, D. C. ... 313
Fuel oil, Overflow of, causes f. ... 198
Fuller, Chief at Northwest Airlines ... 214
Fyr-Fyter Co. develops victory foam exting. (mfrs. announcements) ... 144

GAFFNEY, Chief of Watertown, N. Y., retires ... 215
Gailey marks fifty years in St. Louis, Mo., salvage corps ... 536
Gamewell Company
Stanley of, retires ... 305
Stockholders' annual meet. held (mfrs. announcements) ... 592
Garrity, state f. marshal of Mass., retires ... 725
Gasket, Washer or (Q & A) ... 708
Gasoline
Explosion kills eight in Massena, N. Y. ... 158
F. in train wreck ... 134
For U. S. Army ... 137
For volunteers (edit.) ... 697
Stored, starts f. in fraternity house (ill.) ... 143
Sudden death ... 268
Supplies restored to Nassau Co. f. units ... 516
Tank f. in Norwich, Conn. ... 139
Gas rations for f. engines (edit.) ... 13
Gas tank car explosion kills three and injures eight 633
Gauge readings when operating (Q & A) ... 374
Gaughan, Lt. U. S. N. R., makes longest f. run ... 396
General Asbestos & Rubber Div. awarded Army-Navy "E" (mfrs. announcements) ... 42
Genl. Detroit Corp.
Develops C-D fog exting. (mfrs. announcements) 144
Safety seal (mfrs. announcements) ... 663
General Electric has homemade f. truck at Lynn R. works ... 516
Generator developed, New (mfrs. announcements) ... 664
Gila Bend f. d., Enviable record established by ... 568
Gloves used in treatment of burns ... 531
Goguen, f. chief at Fort Ethan Allen, retires from Army ... 305
Gold camp has big f. ... 263
Goodwill Industries f. at St. Louis, Mo. ... 253
Gordon (Pressure chart) ... 477
Graham, Chief at Montclair, N. J., dies ... 326
Grain growers maintain f. trucks ... 193
Grand Junction, Colo., Ammunition train shells ... 371
Grand Rapids, Mich.
Chief Higgins of, to retire ... 441
Hotels taken over by Army ... 26
Granger, Chief of Cleveland, Ohio, is fifty yrs. a f. fighter ... 215
Grass f. in San Francisco, Fighting a (ill.) ... 582
Graybar-Memphis, R. B. Sayre appointed mgr. (mfrs. announcements) ... 774
Grease compounding plant destroyed by f. ... 667
Great American Industries formed (mfrs. announcements) ... 196
Great Lakes chiefs to hold meeting ... 533
Greenback, Bob
Big cereal plant levelled by f. at Oakland, Cal. ... 190
Delayed alarm blamed for big San Francisco pier f. ... 465
F'men make many rescues at apt. house f. ... 638
Forest and brush f's sweep So. Calif. ... 754
Four-motored bomber f's Seattle meat packing plant ... 189
Large Oakland defense plant wrecked by suspicious f. ... 451
Navy Yard fears no f. ... 443
San Francisco auxiliaries among best equipped ... 310
San Francisco aux. holds parade and competition ... 370
Shipyard has strong defense against the hazards of f. ... 132
The Coast Guard goes to a f. ... 64
Greenville, N. C., has modernized dept. ... 572
Greenwood Miss., Chief Duren succeeds Chief Haskins at ... 666
Groton, Mass. Cleary chief at, honored ... 787
Guise joins DuGas (mfrs. announcements) ... 101
Gunner in Australian Army ... 383

HAGEN (F. prot. of def. industry) ... 477
Haller (New method of rolling hose) ... 476
Hamilton, N. Y., Training planes burn at ... 207
Hanley Engineering manufacture f. boats for Coast Guard (mfrs. announcements) ... 519
Happny, Chief at Concord, N. H., dies ... 778
Hare, Chief of Jacksonville, Fla. ... 336
Harrington, Dela., Theatre f. in ... 760
Harrison, N. J., New f. truck for (ill.) ... 193
Hart Chief at Bath Iron Works ... 335
Hartford, Conn., Ex-Chief Keena of, dies ... 337
Harvard Univ. forms aux. f. d. ... 212
Hatt, chief at Lorain, Ohio, retiring ... 700
Hawaiian f. d. a cosmopolitan group ... 467
Hauck Mfg. Co. issues booklet (mfrs. announcement) 160
Hay makes big f., Baled ... 98
Hazards of leather buffings and dusts (Q & A) ... 257
Heating of aluminum dross (Q. & A.) ... 257
Heat, New method of applying, in shock cases (mfrs. announcements) ... 652
Heffernan, Div. Chief, N. Y. C., dead ... 389
Helmets, Advantages and disadvantages of steel (round table) ... 255, 316
Helmets for aux. f'men (corr.) ... 373
Herries, Aux. f. capt. (ill.) ... 138
Higgins, Chief at Grand Rapids, Mich., to retire 441
Highland Hose Co. sends paper to servicemen ... 729
High octane gasoline causes hot f. in train wreck ... 134
High pressure fog for f's using 600 P. S. I. at nozzle ... 473
High school f. in Colton, N. Y. ... 478
Hill chief of Taylor Township, Mich. ... 665
Hillside, N. J., Dorer chief at ... 778
Hoarded gasoline causes f. in Mare Island, Cal. ... 254
Holbrook (Small airplane plants need assistance of f. service) ... 131
Horni wins Army-Navy "E" (mfrs. announcements) 196
Hose couplings, Oil on (edit.) ... 697
Hose layouts, Complex (Q & A) ... 197
Hose, New method of rolling (corr.) ... 476
Hose wagon for Asbury, N. J. (ill.) ... 139
Hosing, New system of, for f. fight ... 265
Hostel f. in St. John's, N. B. ... 23
Hotel f.
In Houston, Tex. ... 635
Injures two ... 334
In Poughkeepsie, N. Y. (ill.) ... 201
In San Francisco, Cal. ... 138
In Syracuse, N. Y. ... 76
In Toronto, Ont. ... 252
Houghtaling (Aux. f. appara. for Elmira, N. Y.) ... 373
Houston, Tex., Heavy death toll caused by f. in old hotel bldg. in ... 635
How about a pay adjustment? (edit.) ... 179
Hudson-American Corp. awarded prizes for signaling equip. ideas (mfrs. announcements) ... 774
Humidity recorder aids f'men ... 36
Hutchins, Mass. forester, honored ... 274

ILCO stirrup pump, Official OCD pump (mfrs. announcements) ... 144
Illinois f. college held ... 388
Impact, Formula for (Q & A) ... 257
Ince (Boondoggling) ... 43
Indiana chiefs, Bowser heads ... 638
Indianapolis, Ind., swamped with OCD equip. ... 253
Ind. f. brigades train, manual reviewed ... 273
Ind. Products Co., Salvage covers and f. blankets manufactured by (mfrs. announcements) ... 259
Inspectors needed in War Dept. production protective service ... 41
Intl. Assn. of F. Chiefs
Conference (edit.) ... 241
Conf., Exhibitors at (mfrs. announcements) ... 663
Conf. snapshots taken by Hugh Walker ... 670
Conf., Tentative program of ... 484
Conf., Wartime defense problems feature ... 563
Directors plan program for con. at Chicago ... 135
Meeting, Priorities to be stressed at ... 303
Postwar planning committee appointed ... 778
To convene (edit.) ... 125
I. A. F. F., George Richardson of, on OCD radio program ... 512
I. M. S. A. to meet ... 496
Iowa chiefs elect officers ... 388
I was a f'man released by British Info. Services ... 763

JACKSONVILLE, Fla.
Chief Dowling of, dies ... 336
F'men present chiefs with badges (ill.) ... 377
Waterfront warehouses burn in ... 131
January f. loss ... 161
Japanese internees sabotage f. appar. ... 758
Jeep, Army, used as f. fighter ... 772
Jefferson Co., N. Y., volunteers meet ... 671
Jones, C. Walker, Co. develops Jomac f. blanket (mfrs. announcements) ... 160
Jordan (College f. brigade set up under civilian defense plan) ... 308
July f. loss ... 591
June f. losses ... 471
Jr. f. d. in Ocean Grove, N. J. ... 498
Juvenile f. fighters, Overzealous (edit.) ... 361

KAISER shipyard dormitory swept by f. (ill.) 46
Kansas City, Mo.
Amusement park in, gutted by f. ... 467
Blast injures eight in ... 204
Boys used in, f. d. ... 759
Deputy Chief Daley marks fifty years in salvage corps of ... 536
Freight terminal in, burns ... 252
Hotel f. in, injures two ... 334
Scanlan of, dead ... 106
Kato Engineering Co. develops new generator (mfrs. announcements) ... 664
Keansburg, N. J., Aux. f'men of (ill.) ... 188
Kearney, N. J., Blast levels linoleum co. plant in (ill.) ... 648
Kearns, Utah, Water cannon of f. d. throws ton every thirteen seconds ... 478
Keena, Ex-Chief of Hartford, Conn., dies ... 337
Kenah, Chief at Elizabeth, N. J., retires ... 205
Kennedy Valve Mfg. Co. issue folder (mfrs. announcements) ... 378

Kenosha County, Wis., rural villages protected by f. cisterns ... 263
Kentucky f'men to meet ... 130
Kenworth truck for Boeing aircraft plant (ill.) ... 26
Kidde, Walter, & Co.
Issue pamphlet (mfrs. announcements) ... 519
Officers named (mfrs. announcements) ... 276
Kidde, Walter, dead ... 99
King of Underwriters' Labs. dies, S. Bowles ... 786
Klinck, Chief at Memphis, Tenn., retires ... 208

LANDIS, JAMES M.
F. chiefs visit Dean (ill.) ... 372
Resigns OCD ... 630
To leave OCD ... 592
Urges deferment of f'men (edit.) ... 361
Lauber to rejoin N. B. F. U. ... 667
Lavender, Mrs., of Elkhart Brass dies ... 216
Lawrence, Kans., Anatomy bldg. destroyed by flames at ... 254
Lawton, Chief of Middletown, Conn., retires ... 471
Leather buffings and dusts, Hazards of (Q & A) ... 257
Leavitt, Chief at Nahant, Mass., dies ... 634
Lee heads up Belair Shipyard f. d. ... 516
Lend lease equip. destroyed in f. ... 772
Lewiston, Me., Rescue truck for, and Auburn, Me. ... 512
Lightningpak heat pad (mfrs. announcements) ... 652
Linen hose, Preservation of (Q & A) ... 374
Lines, Branched (Q & A) ... 506
Lines, Discharge from branched (Q & A) ... 506
Linoleum co. plant levelled in blast (ill.) ... 648
Littlefield (London F'men's spare-time war work) ... 304
Lloyd f., Facts on the Harold (corr.) ... 728
London f'men's spare-time war work ... 304
Lorain, Ohio, Chief Hatt of, retiring ... 790
Los Angeles, Calif.
Magnesium f. in (ill.) ... 131
Service for drive-in restaurant in ... 269
Terminal Island f. ... 205
Louisville, Ky.
McHugh, Chief at, retires ... 601
Omitted from f. prev. contest winners ... 156
Lowry f. hydrants, Information on, wanted ... 516
Lumber next, F. resistant (edit.) ... 753
Lund (Minn. f. schools a success) ... 782
Lutz, Chief at Wilmington, Dela., retires ... 37

MACK Trucks
Airfield crash truck given spectacular tryout ... 462
Exec. offices move to Empire State Bldg. (mfrs. announcements) ... 320
Fink of, dead (mfrs. announcements) ... 102
New officers for (mfrs. announcements) ... 101
Reed Chicago dist. mgr. of (mfrs. announcements) ... 592
Ruhf, Pres. of (mfrs. announcements) ... 592
Wins natl. security award (mfrs. announcements) ... 774
Madison, Ill., volunteers give city new truck ... 311
Magner, Thomas F.
Grandson of, following in footsteps (ill.) ... 594
Improvements in appar. bolster New Haven dept. ... 470
Protecting an aircraft plant against f. ... 182
Magnesium f.
In Los Angeles, Cal. (ill.) ... 131
In Marysville, Mich. ... 446
Maine f. c.'s meet ... 511
Malden, Mass., Big theatre f. in ... 29
Malleable iron couplings on f. hose (round table) ... 581
Manhattan Rubber enters golden anniversary yr. (mfrs. announcements) ... 144
March f. loss ... 265
Marcus Hook, Pa., Grease compounding plant destroyed by f. at ... 667
Mare Island, Calif.
Hoarded gasoline cause f. in ... 254
Navy Yard fears no f. ... 443
Marietta, Ohio, New pumper for (ill.) ... 707
Marinship yard has strong defense against f. ... 132
Marlow Pumps announce f. defense pumps (mfrs. announcements) ... 332
Martin appointed deputy director of OCD ... 469
Maryland town solves its equip. problem ... 212
Marysville, Mich., F. in Dow Chemical Plant in ... 446
Mass. f. chiefs hold Christmas party ... 98
Mass., Garrity, state f. marshal of, retires ... 725
Mass., Western, F. C. Club formed ... 313
Massena, N. Y.
F. district asked for ... 659
F. station burns in ... 395
Gasoline explosion in ... 158
Mattress f. at Oakland, Cal. ... 192
May f. loss ... 397
Meadville, Pa., Balizet, supt. of f. alarm of, dies ... 215
Meat packing plant f. ... 189
Medical Corps f. fighters awarded diplomas ... 79
Memphis, Tenn., Chief Klinck of, retires ... 208
Merry Christmas! (edit.) ... 753
Mexico City, Mex., New f. pumper for ... 464
Miami Beach, Fla., New f. engine for ... 469
Michigan f. college held ... 572
Middletown, Conn., Chief Lawton of, retires ... 471
Milford, Conn., Children die in f. in ... 73
Mill f.
At Boonville, Mo. ... 511
In Oswego, N. Y. ... 498
Mine Safety Appliance Co.
Awarded Maritime "M" (mfrs. announcements) ... 259
Published booklet (mfrs. announcements) ... 320
Minneapolis, Minn., f. truck drivers request raise in pay ... 193
Minnesota f. schools a success (corr.) ... 782
Montclair, N. J., Chief Graham of, dies ... 326
Morgan Chief at St. Louis, Mo., dies ... 211
Morris Field, Charlotte, N. C., f. dept. (ill.) ... 459
Morris of North Bergen township dies ... 154
Morris (Training of rescue squads develops efficient work) ... 133
Mt. Pleasant, Mich., Oil refinery swept by blast and flames ... 463
Mumma (Farm index system) ... 338
Munday of Charlotte, N. C., in Ordnance Dept., Capt. ... 19
Munitions ship f. endangers N. Y. Harbor ... 302

McCaffrey Chief at Utica Hospital (correc.) ... 628
McCracken (San Diego solves problem of mounting OCD pumps) ... 706
McHugh, Chief at Louisville, Ky., retires ... 601

NAHANT, Mass., Leavitt, Chief at, dies ... 634
Napa, Cal., f'men injured in f. ... 216
Nashville, Tenn., Chief Scruggs of, to retire ... 781
Nassau Co. f. units, Gasoline supplies restored to ... 516
Natl. Bd. orf F. Underwriters
Drafts cabaret ordinance ... 45
Issues revised bldg. code ... 525
Lauber to rejoin ... 667
Newell of, honored ... 95
Pres. states f. losses mount as in 1918 ... 634
Thomas elected pres. of ... 372
Natl. F. Prot. Assn.
Advocating federalized f. service? (edit.) ... 301
Denies favoring control of f. service (corr.) ... 476
Natl. Powder Extinguisher Corp. elects officers (mfrs. announcements) ... 331
Natl. Safety Congress to meet ... 601
Nationwide F. Prev. & Equip. Co. announce new f. exting. (mfrs. announcements) ... 320
Naugatuck River on f. ... 594
Naval barracks burn ... 587
Naval dist. conducts training school for f'men ... 368
Navy bomber, All that is left of a two-motored (ill.) ... 713
Navy chem. warfare fighters, Wool felt aids (ill.) ... 369
Neale member of OCD Tech. Adv. Comm. ... 196
Nealon Chief at Utica hospital ... 474
Newburgh, N. Y.
Chief Brown of, in armed forces ... 668
Near-zero weather balks f'men ... 138
Newell of N. B. F. U. honored ... 95
New Eng. F. Chiefs Assn.
To meet ... 219
Hold successful convention ... 362
New Haven, Conn.
Improvements in appar. bloster ... 470
New and old garb for, f. fighters (ill.) ... 496
New Jersey f'men, Series of rural f's keep, busy ... 637
New London, Conn., OCD apparatus allocated to, f. d. (ill.) ... 515
New Mexico, Distribution of f. prot. fund in ... 395
N. Y. Central roundhouse destroyed by f. ... 668
New York City
Ammonia mixed used by ... 444
Deasy made deputy chief of ... 523
District Chief Heffernan of, dead ... 389
Emer. aux. corps div. established in ... 198
F'man shortage held peril to ... 469
F'men kept busy by two "Village" blazes ... 192
Firemen sent to wrong address ... 596
Memorial services (ill.) ... 27
OCD appar. mounted on WPA trucks ... 315
Oiled felt causes two f's by spontaneous ignition ... 466
Regulations regarding Christmas decorations in hotels ... 755
Squad companies to be used in ... 786
F. dept. to make Christmas inspections ... 783
Warehouse f. in (ill.) ... 512
N. Y. Harbor, Munitions ship f. endangers ... 302
New York State F. Chiefs' Assn.
Meet ... 77
To hold annual conference ... 100
To meet ... 213
New York State
Chief Frank appointed to, post ... 669
Emer. appointments to police & f. depts. passed in ... 266
F. D. training program of (corr.) ... 643
Leg. asked to establish f. district ... 659
Order describes use of aerial warning bombs ... 22
Night clubs, Protection of, and other places of public assembly (round table) ... 31, 84
Nogales, Mex., New f. appar. for (ill.) (mfrs. announcements) ... 320
Norfolk, Va.
Aux. F'men have active organization ... 705
Explosion kills twenty-four at air base in ... 671
Normandie, How the, was protected against f. during salvaging ... 698
North Bergen Township, N. J., Morris of, dies ... 154
North Carolina city has modernized dept., Small ... 572
North Carolina f. college, Delegates at 1943 session of (ill.) ... 372
Northwest Airlines, Fuller chief at ... 214
Norwich, Conn., Gasoline tank f. in ... 139
Norwood, N. Y., Vol. f'men dies while fighting f. in ... 719
November f. loss ... 49
Nozzle pressure and discharge, Solving for (Q & A) ... 82
Nozzle reaction (Q & A) ... 28
Nyack, N. Y., Charter member of, dies ... 778

OAKLAND, Calif.
Cereal plant leveled by f. at ... 190
Def. plant wrecked by suspicious f., Large ... 451
Embers cause f. in ... 375
Freak f. in ... 141
Lend lease equip. destroyed in f. ... 772
Mattress f. in ... 192
Six alarm f. hits ... 720
Women students fight f. in college in ... 783
Ocean Grove, N. J., jr. f. dept. ... 498
Office of Civilian Defense
Apparatus allocated to New London, Conn., f. d. (ill.) ... 515
Appar. mounted on WPA trucks in N. Y. C. ... 315
Bush with ... 214
Chief Stockwell appointed to ... 395
Curtailed ... 444
Expands rescue service ... 515
Forest f. fighters service organized ... 598
Indianapolis, Ind., swamped with, equip. ... 257
Issues manual on rescue work ... 705
Landis resigns from ... 630
Landis to leave ... 592
Martin appointed deputy director of ... 469
Navy Cooperation (edit.) ... 753
Pumps after the war (edit.) ... 562
Regional schools held ... 156
San Diego solves problem of mounting, pumps ... 706
Tech. Adv. Comm., Neale member of ... 196
ODT conservation pledge, F. d. drivers sign ... 511
O'Hearn, Chief of Watertown, Mass., retired and voted back for duration ... 787
Oiled felt causes two f's by spontaneous ignition ... 466
Oil f. in Oleum, Cal., being investigated ... 515
Oil on f. hose couplings (edit.) ... 697
Oil refinery burns (ill.) ... 457
Oil refinery f. at Santa Maria, Cal. ... 37
Oil refinery swept by blast and flames ... 463
Oleum, Cal., Oil f. in, being investigated ... 515
Orman, Chief of Basic Magnesium, Inc., Gabbs Valley, Nev., in service ... 533

O'Sullivan, Chief at Memphis, Tenn. ... 208
Oswego, N. Y.
Mill f. in ... 498
Soy bean plant in, gutted by f. ... 46
Overzealous juvenile f. fighters (edit.) ... 361
Oxygen tank filler developed by American Resuscitation Equip. Co. (mfrs. announcements) ... 259

PACIFIC GROVE, Calif., business district threatened by f. ... 26
Panic, The threat of (edit.) ... 241
Paper box factory destroyed by f. in Ansonia, Conn. ... 258
Parker, Leo T.
New law of f'men's pensions ... 187
Review of 1942 higher court cases involving municipal f'men ... 700
Parkersburg, W. Va., Civilian defense demonstration held in ... 668
Parking lot, Fighting a f. in a (Q & A) ... 314
Pawtucket, R. I., Chief Taupier of, killed in crash ... 252
Pay adjustment, How about a (edit.) ... 181
Peanut works, Flames destroy ... 730
Pearl Harbor, When bombs fell on (ill.) ... 31
Pence, Chief at Stillwater, Okla., rounds out twelve yrs. of service ... 597
Pendleton, Ore., grain growers maintain f. trucks ... 193
Pennsylvania, Boys used to bolster vol. rolls in ... 278
Pa. f'men's training conf. to be held ... 325
Pa. Railroad Terminal sheds levelled by quick f. ... 629
Pensions, New law of f'men's ... 187
Philadelphia, Pa.
Flames destroy peanut works in ... 730
Railroad terminal sheds levelled by quick f. at ... 629
Pinkerton public relations direc. of Reeves Sound Labs. (mfrs. announcements) ... 729
Pirsch ladders make "V" (ill.) ... 27
Pirsch, Peter
A flying f. engine ... 373
Smoke ejectors ... 78
Plane crashes in your district, If a ... 23
Planes, Training, burn ... 207
Plant explo. in San Francisco, Cal. ... 154
Plastic nozzles replace critical metals (mfrs. announcements) ... 378
Point San Bruno, Cal., Baled hay makes big f. at ... 98
Police and f. d.'s in relation to draft, Position of ... 772
Pontiac, Mich., bus line hit by f. ... 498
Port Dalhousie, Ont., Canning plant in, gutted by f. ... 731
Portland, Conn., Boat yard at, burns ... 512
Portland, Me., firemen drive taxis to f's ... 524
Port Washington, N. Y., Woman drives ambulance at ... 478
Postwar planning (edit.) ... 626
Postwar planning comm. formed by I. A. F. C. ... 778
Potsdam, N. Y., F. fought in sub-zero weather ... 130
Poughkeepsie, N. Y., Hotel f. in ... 291
Practical training for aux. f'men ... 17, 68, 128, 184, 247, 306, 365, 452, 569, 631, 702, 761
Preservation of linen hose (Q. & A.) ... 374
Pressure calculations for small lines (Q & A) ... 766
Pressure chart (corr.) ... 477
Preventing f's in soft coal ... 567
Priest dies in South Windsor, Conn. ... 255
Priorities for uniform cloth (round table) ... 142, 199
Priorities to be stressed at I. A. F. C. Chicago meeting ... 303
Priority ruling interpreted ... 383
Prisoners maintain forestry camps, Calif. ... 369
Prison inmates to be trained as f. fighters ... 27
Private employment when f'men are off duty, Permitting (round table) ... 768
Protecting an aircraft plant against f. ... 182
Prot. of airplane plants ... 600
Prot. of night clubs and other places of public assembly (round table) ... 31, 84
Protexall gas mask announced (mfrs. announcements) ... 519
Protexol Corp. develops fireproofed lumber (mfrs. announcements) ... 144
Providence, R. I.
New duties for, f. d. ... 83
Shipyard f. in (ill.) ... 85
Provincial f'men's training school to be held ... 666
Pulver (High pressure fog for f's using 600 P. S. I. at nozzle) ... 473
Pumpers, New use for f.d. ... 718
Pumping to elevation (Q & A) ... 506
Pumping water (Q & A) ... 640

RADIO control aids f'men ... 657
Radio, More, for f. service ... 446
Railroad terminal sheds levelled by quick f. ... 629
Railroad tunnel f., F'men die in ... 644
Railway cars placed in service, F. fighting ... 636
Rauff of Cardox dies (mfrs. announcements) ... 534
Ravens, elected V. P. of A. D. T. ... 334
Raytown, Mo., F. strikes twice at ... 137
Record breaking run (corr.) ... 644
Record breaking run (Q & A.) ... 506
Reed Chicago dist. mgr. Mack Trucks (mfrs. announcements) ... 592
Reeves Sound Lab's.
Awarded Army-Navy "E" (mfrs. announcements) ... 774
Pinkerton public relations direc. of (mfrs. announcements) ... 729
Refinery destroyed ... 669
Relaying water (Q & A) ... 28
Relaying water by using emer. catch-all basin ... 475
Relay lines (Q & A) ... 374
Relay line up an incline (Q & A) ... 766
Relays (Q & A) ... 314
Rescue squads, Training of, develops efficient work ... 133
Rescue truck
For Lewiston and Auburn, Me. ... 512
Recently added to Teaneck, N. J., F. D. (ill.) ... 594
Rescue work, Manual on, issued by OCD ... 705
Responding to f. alarms during blackouts (round table) ... 376, 500
Rhode Island f'men hold drills ... 634
Rhode Island Tool Co. ready for air raids ... 496
Richardson on OCD radio program, George ... 512
Richmond, Va., New f. station for (ill.) ... 757
Rochester, N. Y.
Chief Slattery of, overcome by smoke ... 214
Sprinklers cause loss in Kodak plant in ... 157
Rockwood Sprinkler Co.
Army-Navy "E" presented to (mfrs. announcements) ... 664

Fog equip. commended (mfrs. announcements).. 102
Rooming house f. kills seven at Augusta, Me..... 373
Rose (The welfare and safety of the school child) 644
Roundhouse destroyed by L. N. Y. Central..... 668
Rubber and duck coats for f. fighters (round table) 644, 710
Ruddy, Asst. Chief of Clinton, Ia., to take defense post 83
Ruhf, pres. of Mack Trucks, Inc. (mfrs. announcements) 592
Rumsey, Edward
To instruct f. training courses..... 788
To retire 384
Rural f's keep N. J. f'men busy, Series of..... 637

SABOTAGE, Bibliography on, published..... 191
Sac City, Ia., New truck for..... 26
Sacramento, Cal., f'men hurt..... 214
Safety first economy second (edit.)..... 626
Safety seal for f. extinguishers (mfrs. announcements) 663, 664
St. John's, N. B., 104 die in hostel f. in..... 23
St. Louis, Mo.
F. chief loses life in bldg. collapse at..... 253
Morgan, Chief at, dies..... 211
Salaris bill discussed by Fed. f. fighters..... 391
Salary bill up before House of Rep..... 701
Salt Lake City, Utah
Aerial ladder collapses at f. in..... 395
F. chief cleared of charge of incompetent handling of f. 636
Salvage covers & f. blankets manufactured by Ind. Products Co. (mfrs. announcements)..... 259
Salvage equip. reduces heavy water damage, Novel 758
San Diego, Cal., solves problem of mounting OCD pumps 706
San Francisco, Cal.
Auxiliaries among best equipped..... 310
Auxiliaries hold parade and competition..... 370
Chief Brennan of, retires..... 192
Chief Brennan of, may be consultant to OCD.. 159
Delayed alarm blamed for big pier f..... 465
Delayed alarm hampers f'men at..... 193
Fighting a grass f. in (ill.)..... 582
F'men cited for heroism..... 91
F'men make many rescues at apt. house f. in.. 638
F'men receive awards for heroism..... 474
F'men to get pay rise..... 138
F. truck overturns in..... 512
Plant explosion in..... 154
School f. in..... 371
Trucks sought by..... 139
Two die in hotel f. in..... 139
Sanitarium f. at Seattle..... 275
Santa Anita assembly, F. prot. at..... 25
Santa Maria, Cal., Oil refinery f. at..... 37
Sayre appointed mgr. Graybar-Memphis..... 774
Scanlan, Lt. Emmett A., Jr., honored..... 496
Scanlan, of Kansas City, Mo., F. Prev. Bureau dead 100
Scheve, deputy. chief at Baltimore, Md., dies in air raid call 729
Schilling Sales Co., The J. L., Stretcher-Kot distributed by (mfrs. announcements)..... 259
School child, The welfare and safety of the (corr.) 644
School f. in San Francisco, Cal..... 371
Schreder (Naval dist. conducts train. school for f'men) 368
"Science of fighting f." reviewed..... 788
Seotia, N. Y., naval supply depot, Carey chief at 190
Scruggs, chief at Nashville, Tenn., to retire..... 781
Seattle, Wash.
F'boat battles flames at (ill.)..... 369
F. losses low despite wartime hazards..... 699
Former Chief Frank Stetson of, dies..... 474
Meat packing plant f..... 189
Sanitarium f. in..... 275
Second Service Command, F. Chiefs of, meet..... 721
Selby, Cal., Smelter in, destroyed by f..... 396
September f. loss..... 722
Service for drive-in restaurant..... 269
Shepperd (Practical training for aux. f'men)....17, 68, 128, 184, 247, 306, 365, 452, 569, 631, 702, 761
Shipyard dormitory swept by f. (ill.)..... 46
Shipyard f. in Providence, R. I. (ill.)..... 85
Shipyard has strong defense against the hazards of f. 132
Shirk (The British F. Service)..... 126
Sick leaves and vacations..... 460
Sidewalk f. chiefs, why not give them a break.... 472
Sidney, N. Y., f. station, Before and after views of (ill.) 771
Single jacket f. hose (edit.)..... 441
Single jacket f. hose proving unsatisfactory...455, 596
Single jacket hose (corr.)..... 782
Siren ban, F. truck crash results in lifting of.... 594
Sirens
Coming back, Are (edit.)..... 561
Confusion on (edit.)..... 442
On f. appar. (corr.)..... 278
Six alarm f. hits Oakland, Cal..... 720

Slattery, Chief, at Rochester, N. Y., overcome by smoke 214
Small lines
Calculations for (Q & A)..... 767
Pressure calculations for (Q & A)..... 766
Small (Some wartime activities of the Underwriters' Laboratories) 447
Smelter destroyed by f..... 396
Smith (From one of our former correspondents).. 783
Smith of Nickel Plate Road dead..... 163
Smoke ejectors (corr.)..... 78
Soot coal, Preventing f's in..... 567
Soldiers help fight forest f..... 667
Solving for nozzle pressure and discharge (Q & A) 82
Sound device for recording alarms (mfrs. announcements) 519
Southeast Engineering Co., Name changed to (mfrs. announcements) 664
Southeastern Chiefs hold conv..... 387
South Windsor, Conn., Priest dies in f. in..... 253
Soy bean plant gutted by f..... 46
Spraying Systems Co. develops fog nozzle (mfrs. announcements) 43
Springfield, Ohio, F. D., F. prev. exhibit of (ill.) 256
Sprinklers cause loss in Kodak plant in Rochester, N. Y. 157
Squad companies to be used in N. Y. C..... 786
Stamford, Conn., F. sweeps through two business blocks at 191
Standpipe and nozzle pressures (Q & A)..... 140
Stanley of Gamewell Co. retires..... 305
Steel helmets, Advantages and disadvantages of (round table) 255
Steiner heads Underwriters' Labs..... 333
Stephen (Extinguishing f's with carbon tetrachloride) 627
Stetson, former Chief Frank, of Seattle, Wash., dies 474
Stevens, Jay W.
Again f. marshal..... 77
A victory for (edit.)..... 626
Honored 213
Stillman, T. G.
F. buff (ill.) 22
In service 312
Stillwater, Okla., Chief Pence of, rounds out twelve yrs. of service..... 597
Stirrup pump
Official OCD (mfrs. announcements)..... 144
When the, fails to operate (edit.)..... 63
Stirrup pumps Care of..... 24
Stockwell appointed to OCD..... 395
Stoker coal, Combustibility of (Q & A)..... 82
Story now with Eureka F. Hose Div. (mfrs. announcements) 774
Stretcher-Kot distributed by J. L. Schilling Sales Co. (mfrs. announcements) 259
Sullivan chief at Utica, N. Y., resigns..... 786
Sullivan, John G., dies in crash..... **254**
Superior F. Equip. Corp. issues pamphlet (mfrs. announcements) 42
Syracuse, N. Y., Empire hotel swept by three alarm f. 76

TAMPERPROOF f. exting. case developed by American LaFrance (mfrs. announcements).... 519
Tank car blast destroys Ashland depot..... 670
Taubert, Chief, honored on thirtieth yr. in service 757
Taupier, Chief at Pawtucket, R. I., dies in crash. 252
Taylor Township, Mich., Hill Chief at..... 665
Teaneck, N. J., New rescue truck for (ill.)..... 594
Tennessee f'men meet 760
Terminal Island f. 205
Test pressure of extinguishers (Q & A)..... 577
Texas f'men meet..... 467
Theatre f.
In Berkeley, Cal. 387
In Harrington, Dela. 760
In Malden, Mass. 29
Thomas elected pres. of N. B. F. U..... 372
Thompson (First aid for f'men)..... 14
Thrasher, Chief at Tuskegee, Ala., retires..... 375
Threat of panic, The (edit.)..... 241
Tiffin, Ohio, Tanks of high octane gasoline cause hot f. in..... 134
Toronto, Ont.
Dept. store blaze in, injures three f'men..... 386
F'men's jobs frozen..... 670
Hotel f. in..... 252
Two lives lost at toy shop f. in..... 192
Toxic gases produced by CTC on burning magnesium bombs 571
Toy shop f. in Toronto, Ont..... 192
Tuskegee, Ala., Chief Thrasher of, retires..... 375

UNDERWRITERS' Labs.
As hosts, The (edit.)..... 626
Many officers of, in the armed forces..... 44
S. Bowles King of, dies..... 786
Some wartime activities of..... 447
Steiner heads 333
Uniform cloth, Priorities for (round table)....142, 199
Union City, N. J., Asst. Chief Beadle in service 729
U. S. Marine Corps f. eaters (ill.)..... 500
Upper Darby, Pa., air raid wardens build f. truck 311
Utica, N. Y.
Chief Sullivan of, resigns..... 786
McCaffrey chief at Rhodes Genl. Hospital in (correc.) 628
Nealon Chief at Utica Hospital..... 474

VACATIONS, Sick leaves and..... 460
Vacuum gauge, Reading on (Q & A)..... 82
Vallejo, Cal., Balloon blast in..... 77
Valley City, N. D., Craswell Chief for thirty-one years 484
Valve for CO_2 f. extinguishers developed by C-O-Two F. Equip. Co. (mfrs. announcements)..... 378
Vancouver, Wash., Shipyard dormitory in, swept by f. (ill.) 46
Van Gorder district eng. of Cardox Corp. (mfrs. announcements) 144
Van Sant (Lack of appar. aids f.)..... 373
Variation in results from using different formulas (Q & A) 766
Velt heads Braxmar Company..... 136
Veteran driver tells how to avoid accidents..... 70
Victory foam exting. developed by Fyr-Fyter Co. (mfrs. announcements) 144
Virginia City, Nev., has big f..... 263
Volunteer dies while fighting f..... 719
Volunteer rolls, Boys to bolster..... 278
Volunteers for forest f. fighting wanted..... 46
Volunteers, Gasoline for (edit.)..... 697

WAR Dept. needs f. fighters..... 97
War Dept production protective service, Inspectors needed in..... 41
Warehouse f.
In Berkeley, Cal. 372
In Oakland, Cal. 720, 772
In New York City (ill.)..... 512
Warfare 38, 92, 152, 209, 270, 390, 526, 588, 660, 723, 784
War necessity certificates required for f. appar..... 15
Warner (Single jacket hose)..... 782
War Production Board
Appoints H. H. Frank..... 396
Limitation order curtails f. equip..... 75
Order limits types of apparatus..... 250
Warr of Baltimore, Md., Salvage Corps dead.... 159
Wartime defense problems feature I. A. F. C. conference 563
Wartime hazard, A new (edit.)..... 697
Washer or gasket (Q & A)..... 708
Washington, D. C., aux. f'men set record in demonstration 704
Watch desk, The.....29, 83, 141, 198, 258, 375, 508, 578, 651, 709 767
Waterbury, Conn., F. appar. crash in..... 372
Water cannon throws ton every thirteen seconds.... 478
Waterfront warehouses burn in Jacksonville, Fla... 131
Watertown, Mass., Chief O'Hearn of, retired and voted back for duration..... 787
Watertown, N. Y.
Chief Gaffney of, retires..... 215
F'men kept busy..... 757
Watsonville, Cal., F'men extricate child..... 760
Westchester Chiefs hold annual meeting..... 337
Western Mass. F. C. Club formed..... 313
Western Pa. f'men's training institute held..... 635
What's burning? 34, 89, 149, 206, 266, 382, 522, 586, 656, 716, 779
White joins C-O-Two Corp. (mfrs. announcements) 652
Wilmington, Del., Chief Lutz of, retires..... 37
Window, Dummy, for training f'men (corr.)..... 728
Woman drives Port Washington, N. Y. ambulance 478
Women students fight f..... 783
Wood (Chief Wm. Taubert honored on thirtieth yr. in service) 757
Wool felt aids Navy chem. warfare fighters (ill.).. 369

YANKEE Motor Bodies Corp. truck tested on improvised plane f..... 312
Yockers California state f. marshal..... 665
Yonkers, N. Y., Apt. house f. in..... 97

786
447
333
199
729
500
311

786

628
474

460
82
77

484

378

46

144
373

766
136
70

144
263
719
278
46
697

97

41

372
772
512
329
784
45
782

396
75
250
159

563
697
708

704
315
767
372
478
131

787

215
757
760
337
313
635
324
779
652
37
728
478
783

757
369

312
665
97